

P. Paras

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4-3-02
P.7.RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/466,035DATE: 03/20/2002
TIME: 16:23:00Input Set : A:\seqlist.txt
Output Set: N:\CRF3\03202002\I466035.raw

SEQUENCE LISTING

4 (1) GENERAL INFORMATION:

6 (i) APPLICANT: SALLBERG, MATTI
7 MILICH, DAVID R.
8 LEE, WILLIAM T.L.

10 (ii) TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATING
11 INTRACELLULAR DISEASES

13 (iii) NUMBER OF SEQUENCES: 86

15 (iv) CORRESPONDENCE ADDRESS:
16 (A) ADDRESSEE: Robins & Pasternak LLP
17 (B) STREET: 545 Middlefield Road, Suite 180
18 (C) CITY: Menlo Park
19 (D) STATE: California
20 (E) COUNTRY: U.S.
21 (F) ZIP: 94025

23 (v) COMPUTER READABLE FORM:
24 (A) MEDIUM TYPE: Floppy disk
25 (B) COMPUTER: IBM PC compatible
26 (C) OPERATING SYSTEM: PC-DOS/MS-DOS
27 (D) SOFTWARE: PatentIn Release #1.0, Version #1.25

29 (vi) CURRENT APPLICATION DATA:
30 (A) APPLICATION NUMBER: US/09/466,035
C--> 31 (B) FILING DATE: 17-Dec-1999
32 (C) CLASSIFICATION:

34 (viii) ATTORNEY/AGENT INFORMATION:
35 (A) NAME: Pasternak, Dahna S.
36 (B) REGISTRATION NUMBER: 41,411
37 (C) REFERENCE/DOCKET NUMBER: 2300-1231.01

39 (ix) TELECOMMUNICATION INFORMATION:
40 (A) TELEPHONE: 650-325-7812
41 (B) TELEFAX: 650-325-7823
42 (C) TELEX:

45 (2) INFORMATION FOR SEQ ID NO: 1:
47 (i) SEQUENCE CHARACTERISTICS:
48 (A) LENGTH: 35 base pairs
49 (B) TYPE: nucleic acid
50 (C) STRANDEDNESS: single
51 (D) TOPOLOGY: linear

56 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
58 CTCGAGCTCG AGGCACCAGC ACCATGCAAC TTTTT 35

60 (2) INFORMATION FOR SEQ ID NO: 2:
62 (i) SEQUENCE CHARACTERISTICS:
63 (A) LENGTH: 29 base pairs

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64 (B) TYPE: nucleic acid
65 (C) STRANDEDNESS: single
66 (D) TOPOLOGY: linear
71 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2: 29
73 CTAAGATC CCTAGATGCT GGATCTTCC
75 (2) INFORMATION FOR SEQ ID NO: 3:
77 (i) SEQUENCE CHARACTERISTICS:
78 (A) LENGTH: 29 base pairs
79 (B) TYPE: nucleic acid
80 (C) STRANDEDNESS: single
81 (D) TOPOLOGY: linear
86 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3: 29
88 GGAAGATCCA GCATCTAGGG ATCTAGTAG
90 (2) INFORMATION FOR SEQ ID NO: 4:
92 (i) SEQUENCE CHARACTERISTICS:
93 (A) LENGTH: 26 base pairs
94 (B) TYPE: nucleic acid
95 (C) STRANDEDNESS: single
96 (D) TOPOLOGY: linear
101 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4: 26
103 GGGCGATATC AAGCTTATCG ATACCG
105 (2) INFORMATION FOR SEQ ID NO: 5:
107 (i) SEQUENCE CHARACTERISTICS:
108 (A) LENGTH: 19 base pairs
109 (B) TYPE: nucleic acid
110 (C) STRANDEDNESS: single
111 (D) TOPOLOGY: linear
116 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5: 19
118 AATACGACTC ACTATAAGG
120 (2) INFORMATION FOR SEQ ID NO: 6:
122 (i) SEQUENCE CHARACTERISTICS:
123 (A) LENGTH: 17 base pairs
124 (B) TYPE: nucleic acid
125 (C) STRANDEDNESS: single
126 (D) TOPOLOGY: linear
131 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6: 17
133 ATTAACCCTC ACTAAAG
135 (2) INFORMATION FOR SEQ ID NO: 7:
137 (i) SEQUENCE CHARACTERISTICS:
138 (A) LENGTH: 19 base pairs
139 (B) TYPE: nucleic acid
140 (C) STRANDEDNESS: single
141 (D) TOPOLOGY: linear
146 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7: 19
148 AATACGACTC ACTATAAGG
150 (2) INFORMATION FOR SEQ ID NO: 8:
152 (i) SEQUENCE CHARACTERISTICS:
153 (A) LENGTH: 34 base pairs
154 (B) TYPE: nucleic acid

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155	(C) STRANDEDNESS: single	
156	(D) TOPOLOGY: linear	
161	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:	
163	CCTCGAGCTC GAGCTTGGGT GGCTTGAGG CATG	34
165	(2) INFORMATION FOR SEQ ID NO: 9:	
167	(i) SEQUENCE CHARACTERISTICS:	
168	(A) LENGTH: 17 base pairs	
169	(B) TYPE: nucleic acid	
170	(C) STRANDEDNESS: single	
171	(D) TOPOLOGY: linear	
176	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:	
178	ATTACCCCTC ACTAAAG	17
180	(2) INFORMATION FOR SEQ ID NO: 10:	
182	(i) SEQUENCE CHARACTERISTICS:	
183	(A) LENGTH: 20 base pairs	
184	(B) TYPE: nucleic acid	
185	(C) STRANDEDNESS: single	
186	(D) TOPOLOGY: linear	
191	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:	
193	GTAGACCGTG CATCATGAGC	20
195	(2) INFORMATION FOR SEQ ID NO: 11:	
197	(i) SEQUENCE CHARACTERISTICS:	
198	(A) LENGTH: 20 base pairs	
199	(B) TYPE: nucleic acid	
200	(C) STRANDEDNESS: single	
201	(D) TOPOLOGY: linear	
205	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:	
207	ATAGCGGAAC AGAGAGCAGC	20
209	(2) INFORMATION FOR SEQ ID NO: 12:	
211	(i) SEQUENCE CHARACTERISTICS:	
212	(A) LENGTH: 55 base pairs	
213	(B) TYPE: nucleic acid	
214	(C) STRANDEDNESS: single	
215	(D) TOPOLOGY: linear	
219	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:	
221	CTCGAGCTCG AGCCACCATG AGCACAAATC CTAAACCTCA AAGAAAAACC AAACG	55
223	(2) INFORMATION FOR SEQ ID NO: 13:	
225	(i) SEQUENCE CHARACTERISTICS:	
226	(A) LENGTH: 62 base pairs	
227	(B) TYPE: nucleic acid	
228	(C) STRANDEDNESS: single	
229	(D) TOPOLOGY: linear	
234	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:	
236	GCAAGCTTAA GCTTCTATCA AGCGGAAGCT GGGATGGTCA AACAAAGACAG CAAAGCTAAG	60
238	AG	62
240	(2) INFORMATION FOR SEQ ID NO: 14:	
242	(i) SEQUENCE CHARACTERISTICS:	
243	(A) LENGTH: 55 base pairs	
244	(B) TYPE: nucleic acid	

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245 (C) STRANDEDNESS: single
 246 (D) TOPOLOGY: linear
 251 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14:
 253 AAGCTTAAGC TTCCACCATG AGCACAAATC CTAAACCTCA AAGAAAAACC AAACG 55
 255 (2) INFORMATION FOR SEQ ID NO: 15:
 257 (i) SEQUENCE CHARACTERISTICS:
 258 (A) LENGTH: 62 base pairs
 259 (B) TYPE: nucleic acid
 260 (C) STRANDEDNESS: single
 261 (D) TOPOLOGY: linear
 266 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 15:
 268 GCCTCGAGCT CGAGCTATCA AGAGGAAGCT GGGATGGTCA AACAAAGACAG CAAAGCTAAG 60
 270 AG 62
 272 (2) INFORMATION FOR SEQ ID NO: 16:
 274 (i) SEQUENCE CHARACTERISTICS:
 275 (A) LENGTH: 19 base pairs
 276 (B) TYPE: nucleic acid
 277 (C) STRANDEDNESS: single
 278 (D) TOPOLOGY: linear
 283 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 16:
 285 GTGCATGCAT GTTAGTGCG 19
 287 (2) INFORMATION FOR SEQ ID NO: 17:
 289 (i) SEQUENCE CHARACTERISTICS:
 290 (A) LENGTH: 20 base pairs
 291 (B) TYPE: nucleic acid
 292 (C) STRANDEDNESS: single
 293 (D) TOPOLOGY: linear
 298 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 17:
 300 CGTGGTGTAT GCGTTGATGG 20
 302 (2) INFORMATION FOR SEQ ID NO: 18:
 304 (i) SEQUENCE CHARACTERISTICS:
 305 (A) LENGTH: 59 base pairs
 306 (B) TYPE: nucleic acid
 307 (C) STRANDEDNESS: single
 308 (D) TOPOLOGY: linear
 313 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 18:
 315 CCTCGAGCTC GAGCCACCAT GGGGAAGGAG ATACTTCTAG GACCGGCCGA TAGTTTG 59
 317 (2) INFORMATION FOR SEQ ID NO: 19:
 319 (i) SEQUENCE CHARACTERISTICS:
 320 (A) LENGTH: 60 base pairs
 321 (B) TYPE: nucleic acid
 322 (C) STRANDEDNESS: single
 323 (D) TOPOLOGY: linear
 328 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 19:
 330 GCAAGCTTAA GCTTCTATCA GCGTTGGCAT GACAGGAAAG GGAGTCCCGG TAACCGCGGC 60
 333 (2) INFORMATION FOR SEQ ID NO: 20:
 335 (i) SEQUENCE CHARACTERISTICS:
 336 (A) LENGTH: 21 base pairs
 337 (B) TYPE: nucleic acid

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338 (C) STRANDEDNESS: single
339 (D) TOPOLOGY: linear
344 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 20:
346 ATAAATAGAA GGCCTGATAT G 21
348 (2) INFORMATION FOR SEQ ID NO: 21:
350 (i) SEQUENCE CHARACTERISTICS:
351 (A) LENGTH: 35 base pairs
352 (B) TYPE: nucleic acid
353 (C) STRANDEDNESS: single
354 (D) TOPOLOGY: linear
359 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 21:
361 GCAAGCTTAC AATGTACAGG ATGCAACTCC TGTCT 35
363 (2) INFORMATION FOR SEQ ID NO: 22:
365 (i) SEQUENCE CHARACTERISTICS:
366 (A) LENGTH: 35 base pairs
367 (B) TYPE: nucleic acid
368 (C) STRANDEDNESS: single
369 (D) TOPOLOGY: linear
374 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 22:
376 GACTCGAGTT ATCAAGTCAG TGTTGAGATG ATGCT 35
378 (2) INFORMATION FOR SEQ ID NO: 23:
380 (i) SEQUENCE CHARACTERISTICS:
381 (A) LENGTH: 35 base pairs
382 (B) TYPE: nucleic acid
383 (C) STRANDEDNESS: single
384 (D) TOPOLOGY: linear
389 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 23:
391 GCCTCGAGAC AATGTACAGG ATGCAACTCC TGTCT 35
393 (2) INFORMATION FOR SEQ ID NO: 24:
395 (i) SEQUENCE CHARACTERISTICS:
396 (A) LENGTH: 35 base pairs
397 (B) TYPE: nucleic acid
398 (C) STRANDEDNESS: single
399 (D) TOPOLOGY: linear
404 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 24:
406 GAGGGCCCTT ATCAAGTCAG TGTTGAGATG ATGCT 35
408 (2) INFORMATION FOR SEQ ID NO: 25:
410 (i) SEQUENCE CHARACTERISTICS:
411 (A) LENGTH: 53 base pairs
412 (B) TYPE: nucleic acid
413 (C) STRANDEDNESS: single
414 (D) TOPOLOGY: linear
419 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 25:
421 CGAAGCTTAA GCTTGCCATG GGCCACACAC GGAGGCAGGG AACATCACCA TCC 53
423 (2) INFORMATION FOR SEQ ID NO: 26:
425 (i) SEQUENCE CHARACTERISTICS:
426 (A) LENGTH: 52 base pairs
427 (B) TYPE: nucleic acid
428 (C) STRANDEDNESS: single

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/466,035

DATE: 03/20/2002
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Input Set : A:\seqlist.txt
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L:30 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]
L:31 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]
L:942 M:220 C: Keyword misspelled or invalid format, [(2) INFORMATION FOR SEQ ID NO:]